

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant	:	Francis X. Canning
Appl. No.	:	10/619,796
Filed	:	July 15, 2003
For	:	SPARSE AND EFFICIENT BLOCK FACTORIZATION FOR INTERACTION DATA
Examiner	:	Herng Der Day
Group Art Unit	:	2128

**AMENDMENTS AND RESPONSE TO OFFICE ACTION DATED OCTOBER 19, 2007**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated October 19, 2007, Applicant respectfully submits the following amendments and comments in connection with the above-captioned application.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 8 of this paper.